

Table 5.

SPACE SYSTEMS TECHNOLOGIES***Production******Capabilities:*****CHINA U.S. RUSSIA JAPAN GERMANY U.K. FRANCE**

Computer &

Electronics¹Optronics²

Power & Thermal

Management³Propulsion⁴Sensors⁵

1

4

3

1

1

3

3

2

3

3

3

2

2

3

1

4

2

2

3

2

2

2

4

3

2

1

1

3

2

4

2

3

1

2

3

Legend: Capabilities: 0 = No capability or no consensus. 1= Limited. 2 = Some. 3 = Majority. 4 = All

1. *Emphasis on component reliability in high stress environments: high vibration, radiation, thermal cycling, etc.*

2. *Emphasis on technologies enhancing target detection, identification, resolution, etc.*

3. *Emphasis on efficiency, light weight, long duration and reliability.*

4. *Emphasis on emerging chemical, low-thrust electrical and nuclear thermal technologies.*

5. *Emphasis on electro-optic sensors providing "real-time" intelligence.*